

CLAIMS

1. A preparation to remove tattoos, characterized in that it includes an aqueous
5 solution of an alkali chloride with a pH value less than 7.

2. Preparation as claimed in claim 1, characterized in that the alkali chloride is
10 sodium chloride.

3. Preparation as claimed in either of claims 1 and 2, characterized in that the
pH of the solution is less than 4.0, preferably less than 3.4.

4. Preparation as claimed in one of claims 1 through 3, characterized in that the
pH value of the solution is larger than 1.5, preferably larger than 1.8.

15 5. Preparation as claimed in claim 1 through 5, characterized in that it contains
a weak acid with an acid constant 10^{-2} mol/ltr $< K_1 < 10^{-5}$ mol/ltr, preferably a fruit acid.

20 6. Preparation as claimed in one of claims 1 through 5, characterized in that it
contains a citrus fruit juice, preferably pineapple juice.

7. Preparation as claimed in one of claims 1 through 6, characterized in that the
concentration of the alkali chloride in the aqueous solution is within the range of 10 - 20 and
25 preferably 12 - 16.5 %-weight.

8. Preparation as claimed in one of claims 1 through 7, characterized in that it
contains additionally an oil, preferably coconut oil or coconut milk.

9. Preparation as claimed in claim 8, characterized in that the aqueous, acid solution and the oil are mixed in a ratio of 3/1 to 1/1, preferably being two parts water to one part oil.

5 10. Preparation as claimed in claim 9, characterized in that the aqueous, acid solution is citrus fruit juice and the oil is coconut milk.

11. Preparation as claimed in one of claims 1 through 10, characterized in that it additionally contains starch, preferably in the form of potato juice.

10 12. Preparation as claimed in one of claims 1 through 11, characterized in that it contains one or several additives, preferably preservatives, oxidizers, whitening agents or buffers.

15 13. Preparation as claimed in one of claims 1 through 12, characterized in that it is formulated in a form applicable to the skin, preferably as a cream, an oil, a foam, a gel, an emulsion, a solution or a patch.

20 14. A method employing the preparation as claimed in one of claims 1 through 13, characterized in that said preparation is deposited on a skin segment fitted with the tattoo and that skin penetration by the preparation is enhanced.

25 15. Method as claimed in claim 14, characterized in that the enhancement of skin penetration by the preparation is implemented by massaging the skin and in that the preparation is diffused toward the dye-bearing skin layer.

16. Method as claimed in claim 14, characterized that the preparation is moved mechanically to the site of the dye to be removed from underneath the skin surface.

17. An implement to carry out the method as claimed in one of claims 14 through 16, characterized in that it comprises a tool (3) which introduces the preparation defined in one of the claims 1 through 12 into the skin layer containing the dye(s), in that this tool includes a set of needles (30) and a support (20; 41) for these needles, in that the needles (30) are mutually spaced apart and are joined to each other at one end, in that the mutually joined needle ends are affixed to the support (20; 41) and in that such a tool (3) is connected to a drive component in a way that said tool can be exchanged for another tool (3) in rapid and simple manner.

10 18. Implement as claimed in claim 17, characterized in that the drive component comprises a drive element (5) and an elongated transmission element (10, 41), in that this transmission element (10; 41) is connected at one end to the drive component and in that the tool (3) is exchangeable affixed to the other end of the transmission element.

15 19. Implement as claimed in claim 18, characterized in that the transmission element (10; 41) is a connecting rod (10), in that the support for the needles (30) of the tool (3) includes a bolt (20) and in that said bolt is connected for instance by a bush (19) to one end of the connecting rod (10).